



TORNATECH

Project: _____

Customer: _____

Engineer: _____

Pump Manufacturer: _____

Technical Data Submittal Document

Model OPD

Fire Pump Overcurrent Protection Device

Contents:

Data Sheets

Dimensional Data

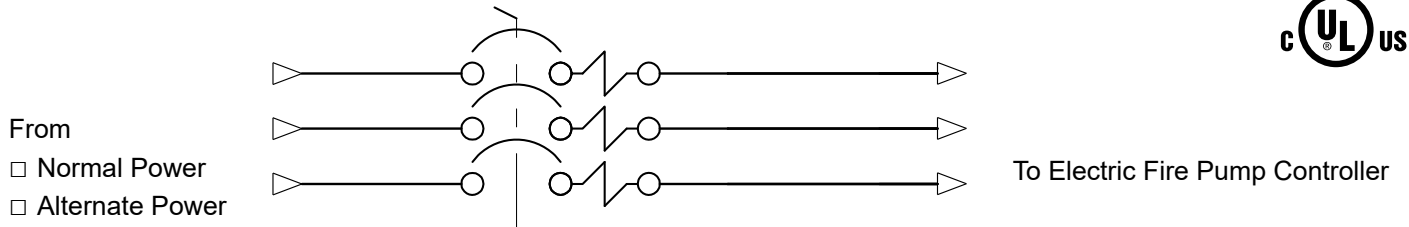
Wiring Schematics

Field Connections

Note: The drawings included in this package are for controllers covered under our standard offering. Actual AS BUILT drawings may differ from what is shown in this package.



February 2025



HP	Voltage / Short Circuit Withstand Rating				
	200-208V	220-240V	380-415V	440-480V	600V
5	100kA	100kA	65kA	65kA	20kA
7.5	100kA	100kA	65kA	65kA	20kA
10	100kA	100kA	65kA	65kA	20kA
15	100kA	100kA	65kA	65kA	20kA
20	100kA	100kA	65kA	65kA	20kA
25	100kA	100kA	65kA	65kA	20kA
30	100kA	100kA	65kA	65kA	20kA
40	100kA	100kA	65kA	65kA	20kA
50	100kA	100kA	65kA	65kA	20kA
60	100kA	100kA	65kA	65kA	20kA
75	100kA	100kA	65kA	65kA	20kA
100	100kA	100kA	65kA	65kA	25kA
125	100kA	100kA	65kA	65kA	25kA
150	100kA	100kA	65kA	65kA	25kA
200	100kA	100kA	65kA	65kA	30kA
250	N/A	N/A	65kA	65kA	30kA
300	N/A	N/A	65kA	65kA	30kA
350	N/A	N/A	N/A	65kA	42kA
400	N/A	N/A	N/A	65kA	42kA
450	N/A	N/A	N/A	N/A	42kA
500	N/A	N/A	N/A	N/A	42kA



Standards and Listing	Built to standards: • NFPA70 (NEC): 695.4(B)(2)(a)(2) and NFPA70 (NEC): 695.3(F)(2) • NFPA20 9.2.3.4.1
	Listing: • Underwriters Laboratory (UL)
Overcurrent Protection Device	• Motor circuit protector: - Selective short circuit protection - Magnetic only non-thermal - Instantaneous trip setting (Factory set non field adjustable) - No time delay element - Selection based on: ▪ The overcurrent protective device shall not open within 2 minutes at 600 percent of the full-load current of the fire pump motor(s). ▪ The overcurrent protective device shall not open with a re-start transient of 24 times the full-load current of the fire pump motor(s). ▪ The overcurrent protective device shall not open within 10 minutes at 300 percent of the full-load current of the fire pump motor(s) ▪ The trip point for circuit breakers shall not be field adjustable
Enclosure	Protection Rating NEMA 2 (IP31)
	Paint Specifications • Red RAL 3002 • Powder coating • Glossy textured finish
External Operator	Flange mounted disconnect handle lockable in the ON (closed) position as per 695.4(B)(3)(a)(2)
Service Entrance Rating	Suitable as service entrance equipment
Markings	Disconnect markings as per 695.4(B)(3)(c)



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Subject to change without notice.

BY DD/MM/YY

DRAWN BY ACD 11/02/25

FINAL APPROVAL FC 11/02/25

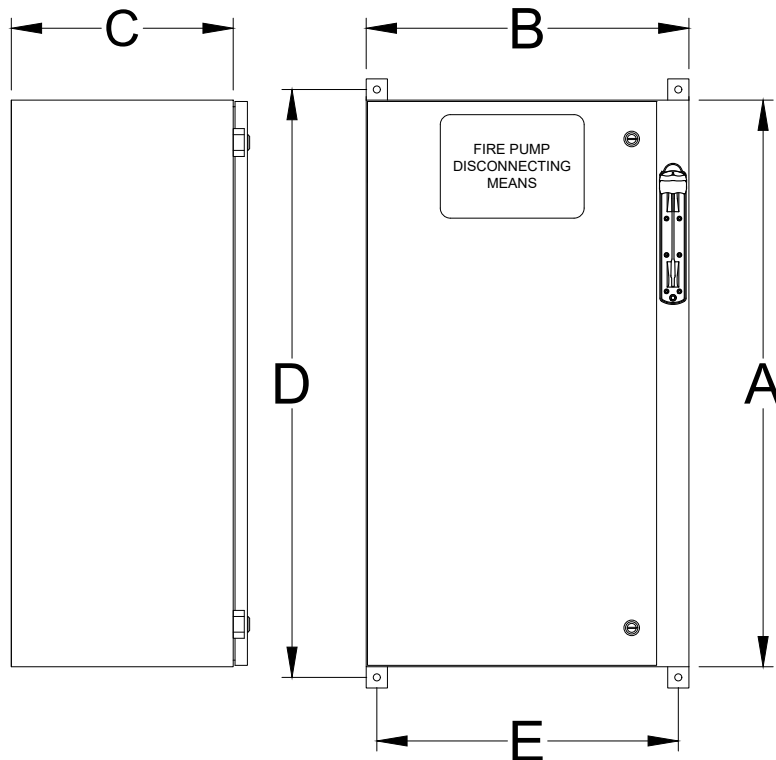
UL LISTED DISCONNECTING MEANS FOR ELECTRIC FIRE PUMP APPLICATIONS

MODEL:OPD

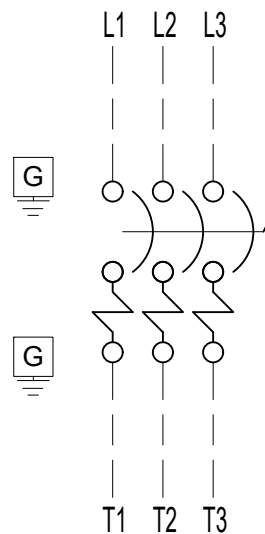
BUILT TO THE LATEST EDITION OF THE NFPA20 & NFPA70



DRAWING NUMBER
OPD-WS600/E
DWG REV. 1
SHEET 1 OF 1



Incoming Power



To Fire Pump Controller

****Please verify the field wiring
connections on the main fire pump
controller to ensure compatibility.***

Notes:

- Standard NEMA: NEMA 2
- Standard paint : textured red RAL 3002.
- All dimensions are in inches.
- Use watertight conduit and connector only.
- Protect equipment against drilling chips.

Terminals (L1,L2,L3,T1,T2,T3)

Maximum Motor Horsepower

								Wire (Lug) Size (Copper Only)*	Torque	Ground (Lug) Size (Copper Only)	Dimensions A x B x C x D x E	Bending Space
200V	208V	220V	230V	240V	380-416V	440-480V	575-600V					
5-20HP	5-20HP	5-20HP	5-20HP	5-20HP	5-30HP	5-40HP	5-60HP	10-3/0 AWG	5-14 Nm	6 AWG	22 x 12 x 11 x 23½ x 10½	7"
25-30HP	25-30HP	25-30HP	25-30HP	25-30HP	50-60HP	50-75HP	75HP	4-4/0 AWG	26 Nm	4 AWG	26 x 14 x 11 x 27½ x 12½	8"
40-75HP	40-75HP	40-100HP	40-100HP	40-100HP	75-150HP	100-200HP	100-250HP	2x(2/0 AWG-250 MCM)	50 Nm	4 AWG	30 x 16 x 11 x 31½ x 14½	8"
100-150HP	100-150HP	125-200HP	125-200HP	125-200HP	200-350HP	250-400HP	300-500HP	3x(3/0 AWG-500 MCM)	50 Nm	3/0 AWG	42 x 18 x 12½ x 43½ x 16½	12"
200HP	200HP	250-400HP	250-400HP	250-400HP	400-500HP	450-500HP	-	TBD Consult Factory	TBD Consult Factory	TBD Consult Factory	TBD Consult Factory	TBD Consult Factory

Drawing for information only.
Manufacturer reserves the right to modify this drawing without notice.
Contact manufacturer for "As Built" drawing.